



engineering and constructing a better tomorrow

January 24, 2011

Mr. Steve Morrow  
Olin Corporation  
3855 North Ocoee St., Suite 200  
Cleveland, TN 37312

**Subject: Residential Well Sampling  
51 Eames Street Facility**

Dear Mr. Morrow:

Per your request, MACTEC Engineering and Consulting, Inc. has evaluated the chemical data for the water sample collected in July and August 2010 from the Trites residence in Wilmington under Olin's residential well sampling program. This evaluation was performed to confirm the suitability of drinking water at the residential property. Chemical concentrations in the well water were compared to Massachusetts and federal drinking water standards and guidelines.

Attached is a table summarizing well monitoring data for the Trites residence. The table lists all detected analytes and their associated concentrations. The appropriate standard and/or guideline for each parameter are provided for comparison.

Four polycyclic aromatic hydrocarbon compounds were reported at very low estimated concentrations in the July sample but not in the August sample. It appears the reporting of these compounds may be related to laboratory contamination rather than their presence in the well water sample. These compounds have not been identified previously as compounds that have migrated from the Eames Street facility to off-property locations. Although these compounds were not detected in laboratory method blanks for sample delivery group 360-29118, there were polycyclic aromatic hydrocarbon compounds detected in laboratory method blanks for sample delivery groups 360-29031 and 360-29554 as shown in the attached data validation memorandum.

The concentration of sodium (21 milligrams per liter [mg/L]) reported in August is above the concentration of 20 mg/L recommended in the Massachusetts Drinking Water Guidelines (ORSG). There is no federal drinking water standard for sodium. The ORSG guideline was published so that

public water supplies could notify people on salt restricted diets that the water is a source of sodium. Residents on salt restricted diets should be aware of the sodium content of the water. Elevated sodium concentrations are common in groundwater in the Wilmington area due to road salting practices.

The water testing results shown here indicate that the overall well water quality is consistent with available Massachusetts and federal drinking water standards and guidelines.

If you have any questions about the evaluation or if you require additional information, please feel free to contact Michael Murphy at (781) 245-6606.

Sincerely,  
**MACTEC Engineering and Consulting, Inc.**

  
for Peter Thompson  
Project Manager with permission

  
Michael J. Murphy  
Sr. Principal Environmental Scientist

Attachment

cc: MACTEC Project [P:\6107110016 - Olin Wilmington CSS 2010\4.0 Project Management Administration\1.5 Correspondence\1.5.2 Letters\Trine\July 2010\Ltr to Olin 110124.docx]